Army Space Program Office (Army TENCAP)

Space Support to Ground Maneuver

The Army Space Program Office (ASPO) is responsible for the Army's Tactical Exploitation of National Capabilities Program (TENCAP). The program focuses on exploiting current and future tactical potential of national systems and integrating the capabilities into the Army's tactical decision-making process.

Army TENCAP systems enable the tactical commander to see and hear deep in today's battlefield and then assess the impact of shooting deep. The ASPO has successfully fielded more than 60 systems and is continually exploring ways to integrate advanced technologies into its inventory.

Primary ASPO Missions

- Support appropriate organizations to develop/implement streamlined concepts of operation and requirements.
- Design, develop, test, field and sustain systems that provide national and theater products to tactical commanders.
- Provide the responsible Program Executive Officers with the appropriate technologies and acquisition activities.
- Provide technical support to the Army staff with respect to TENCAP activities.
- Act as the focal point for technical, fiscal and operational interactions with the national community to include:
  - — Identifying technologies to enhance the Army mission
  - — Coordinating training and exercise support for national systems
  - — Acting as point of contact for all tactical activities between major commands/users and the national community
  - — Serving as technical adviser and technical expert to TRADOC and battle labs.

Tactical Exploitation System (TES)

The Tactical Exploitation System (TES) is the Army's objective TENCAP ground processing system for the 21st century. The TES interfaces with, processes, exploits and disseminates data from national satellites, theater and tactical sensors. TES combines all TENCAP functionality into a single, integrated, scaleable system specifically designed for split based operations. The TES system is a key part of the emerging Distributed Common Ground Station – Army (DCGS – A) architecture.

This next generation system serves as the interface between national systems and in-theater tactical forces and receives data directly from theater and tactical Intelligence Surveillance Reconnaissance (ISR) assets. TES products are a means to focus sensors, provide situation awareness, develop intelligence preparation of the battlespace, perform deep targeting functions and provide weather data. TES is designed for split-based deployment and consists of a Forward and Main element. The TES Forward is a highly mobile HMMWV-based element and the TES Main is housed in vans. Each element has similar operational, communications and support capabilities.

The TES provides the commander maximum flexibility to satisfy intelligence needs under a wide range of operational scenarios. The TES provides multiple configurations ranging from a one C-130 deployable HMMWV early entry capability to collocated Main and Forward elements with up to 40 operator workstations. TES operators can perform all Imagery Intelligence (IMINT), Signal Intelligence (SIGINT), cross-intelligence or dissemination functions from any workstation. TES provides quick set-up/tear-down and C-130 drive-on/drive-off capability to support rapid deployment.

For more information, please contact:

U.S. Army Space and Missile Defense Command
Public Affairs Office
P.O. Box 1500
Huntsville, AL 35807-3801
Phone: 256-955-3887
Fax: 256-955-1214
Email: webmaster@smdc.army.mil
www.smdc.army.mil